

Abstract

The objective of the present invention is to detect, using a universal method, any "movement" in the object being monitored while maintaining security of a container. In this surveillance system according to this invention, the communication relay system is used for sensing the movement of the object to be monitored, not for the communication purpose as the prior art. To wit, the object being monitored has nodes (communication nodes) that have communication functions (low-power transmitters), which are attached at various places in the space where the object to be monitored is located. The communication graph matrix which represents which node can or can not communicate with which nodes. This matrix has a same kink of ID function as a finger print for the human, and it can tell whether the container has been kept safety during the transportation.